

Use Attainability Analysis

for

WBID 224 Spencer Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

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WATER PROTECTION PROGRAM

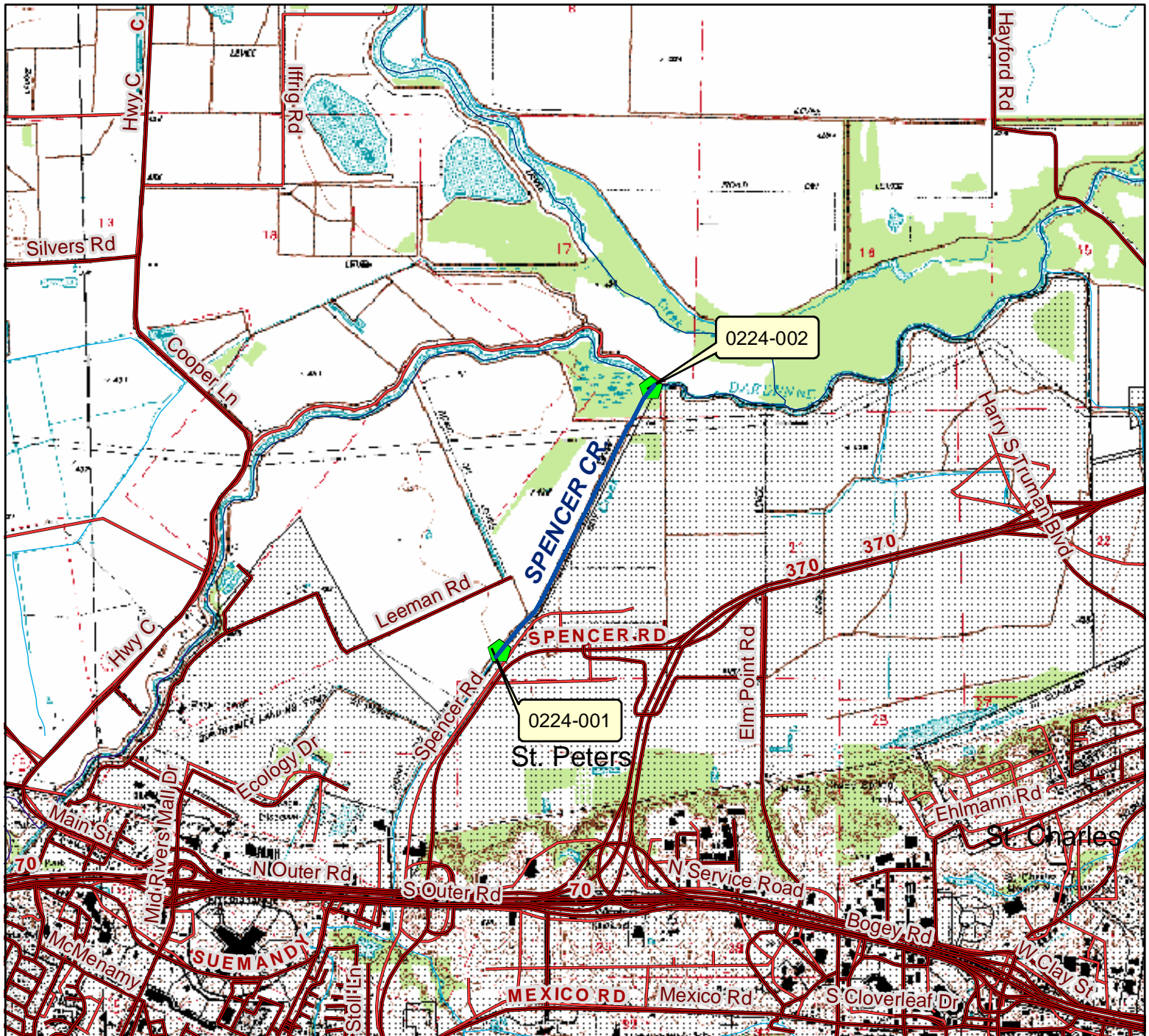
| | |
|--|----------------------------|
| Water Body Name: (from USGS 7.5' quad) | <i>Spencer Creek</i> |
| 8-digit HUC: | <i>07110009</i> |
| Missouri WBID #: | <i>0224</i> |
| County: | <i>St. Charles</i> |
| Upstream Legal Description: | |
| Downstream Legal Description: | |
| Upstream Coordinates: (UGS 84, ddd.ddddd) | <i>90.58713 / 38.81193</i> |
| Downstream Coordinates: (UGS 84, ddd.ddddd) | <i>90.58793 / 38.8335</i> |
| Discharger Facility Name(s): | |
| Discharger Permit Number(s): | |
| Number of Sites Evaluated: | <i>2</i> |
| Name of Surveyor and Telephone Number: | <i>Mary Clark</i> |
| Organization: | <i>MONK</i> |
| Position: | <i>ES III</i> |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

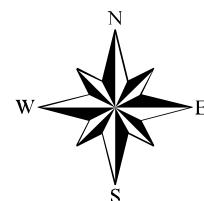
Signed: *Mary Clark* Date: *7-8-05*

Spencer Creek (C) #0224 St. Charles County

HUC 8 - 07110009



- Roads
- LOCAL ROADS
- Classified Waterbodies
- MUNICIPAL



0 0.5 1 2 Miles

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| | |
|--|--|
| Missouri WBID #: <u>0224-001</u> | Site Location Description: <u>Spencer near exit from 370 Hwy</u> |
| Site GPS Coordinates: <u>90.58713/38.91198</u> | <u>Gravel rd off Spencer rd.</u> |
| Date & Time: <u>7-8-05</u> <u>10:10</u> | Facility Name: |
| Personnel: <u>Mary Clark</u> | Permit Number: |
| Current Weather Conditions: <u>Sunny</u> | Weather Conditions for Past 7 days: |
| Photo Ids: Upstream: | Downstream: <u>458</u> Other: |

Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|--|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: <u>rural</u> |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

don't know where culvert is on other side of Hwy!

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input type="checkbox"/> Other: <u>rural</u> | |

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>large discharge pipe 15 ft. from culvert.</u> | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology:

Upstream View Physical Dimensions:

don't know where creek comes from under rd. (culvert)

| | | | | |
|---------------------------------|-------------|--|-----------------------------------|------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow | Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | |

Downstream View Physical Dimensions:

culvert under Hwy to up stream side on west side of Spencer rd exit

| | | | | |
|---|-----------------------|---|-----------------------------------|-----------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Run | Width (ft): <u>12</u> | Length (ft): <u>1 mile</u> | Avg. Depth (ft): <u>0.33</u> | Max. Depth (ft): <u>0.5</u> |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow | Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|----------|----------|--------|--------|-----------------------|-----------|
| % Cobble | % Gravel | % Sand | % Silt | <u>100</u> % Mud/Clay | % Bedrock |
|----------|----------|--------|--------|-----------------------|-----------|

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

macrophyte on mud bars

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|--|---------------------------------|--|--|---------------------------------|
| Odor: | <input checked="" type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observation*

Signed: May Clark Date: 7-8-05

Organization: MDNR Position: RSIB

224_001 DS



224_002 US



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

EPE 12

| | | |
|---|--|--------|
| Missouri WBID #: <i>0224-002</i> | Site Location Description: <i>~ Spence Cr. 1/4 mi. N on levee in field south of Dardenburg</i> | |
| Site GPS Coordinates: <i>38.58793/38.8335</i> | | |
| Date & Time: <i>7-6-05 9:50</i> | Facility Name: | |
| Personnel: <i>Mary Clark</i> | Permit Number: | |
| Current Weather Conditions: <i>sunny</i> | Weather Conditions for Past 7 days: | |
| Photo Ids: Upstream: <i>457</i> | Downstream: | Other: |

nothing on other side just wetlands

Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input checked="" type="checkbox"/> Other: <i>Form Deeds wetlands</i> |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <i>rural</i> | |

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <i>Hay 370 ~ 1 mi away, High tension lines</i> | | | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Stream Morphology:

Upstream View Physical Dimensions:

| | | | | |
|---|----------------------|---|-----------------------------------|-----------------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input checked="" type="checkbox"/> Run | Width (ft): <u>4</u> | Length (ft): <u>120'</u> | Avg. Depth (ft): <u>6.33</u> | Max. Depth (ft): <u>0.5</u> |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow | Present? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | |

Downstream View Physical Dimensions:

| | | | | |
|---------------------------------|-------------|--|-----------------------------------|------------------|
| <input type="checkbox"/> Riffle | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Run | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Pool | Width (ft): | Length (ft): | Avg. Depth (ft): | Max. Depth (ft): |
| <input type="checkbox"/> Flow | Present? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Estimated (ft ³ /sec): | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|----------|----------|--------|--------|-------------|-----------|
| % Cobble | % Gravel | % Sand | % Silt | % Mud/Clay | % Bedrock |
| | | | | <u>100%</u> | |

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

| |
|---------------------------|
| <u>macrophyte on bank</u> |
|---------------------------|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>mud bottom</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

Comments: Please attach additional comments (including information from interviews) to this form.

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Signed: Mary Clark Date: 7-8-05

Organization: MDNR Position: EST